

MINE HOIST AND MAINTENANCE WORKER

KIND OF WORK

Mine hoist equipment operation and maintenance work.

NATURE AND PURPOSE

Under general supervision, an employee in this class performs skilled work in the operation, maintenance, and repair of hoist equipment and underground machinery used in providing underground tours of Soudan Mine State Park. Maintains shafts, tunnels, and stops in safe operating condition for public use and inspection. May direct work of other semiskilled or unskilled employees as required. Performs related work as required.

This class differs from the Mining Aide series in that it is responsible only for equipment and machinery found in Soudan Mine State Park, and is solely responsible for the operation and maintenance of such equipment. Mining Aides generally work in a range of office, laboratory, and field assignments assisting professional and technical mining engineering personnel.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Operates levers and controls governing direction and speed of hoist cage so that hoist cage is operated in a safe manner by receiving and returning cage signals.

Maintain equipment so that hoist is operational when needed by inspecting and lubricating hoist and engine room equipment; reporting defective machinery; inspecting safety catches on cages, conditions of cables, making required repairs; inspecting and repairing operation of automatic underground water pumps and checking conditions of standby pumps; adjusting, repairing, and replacing mining machinery.

Detect and report mine hazards so that mine safety is maintained by reporting unshored tunnels; taking remedial action to correct hazards.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of:

Operation, maintenance, and repair of hoisting equipment and underground mining machinery sufficient to make repairs, operate mine hoist, and accurately control mine cages to maintain safe operation at all times.

Mine hazards and safety equipment sufficient to make use of mining procedures and techniques to maintain safety and take remedial action to prevent hazards.

Arc and acetylene welding sufficient to repair damaged equipment and to modify existing equipment per required specifications.

Ability to:

Detect, diagnose, and repair mechanical defects sufficient to perform preventive maintenance on equipment.

Direct work of other staff to ensure that equipment is operational and safety practices are followed.

Understand and follow oral and written instructions sufficient to carry out operation and repair orders and understand mine equipment maintenance records and equipment specifications.

SPECIAL WORK CONDITIONS

Positions in this class may require the employee to lift and handle medium to heavy weight materials, such as tools and equipment. The work environment may include exposure to dust, dampness, heat, noise, as well as occasional exposure to adverse weather conditions (cold, heat, snow, rain, wind).

Est: 04/69 T.C. 04/72

Rev: 04/92 Former Title: Mine Hoistman &
Repairman